

AWS (Amazon web services Training)

Syllabus

Session 1 - Basics of Cloud Computing

- Basics of Cloud Computing
- What is cloud computing?
- Different models of cloud computing
- Different services available with cloud
- Different services providers
- Future Scope of cloud computing and AWS
- Assignment-1

Session 2 – Introduction to AWS

- About AWS
- Different Services provided by AWS
- Fact and Figures – AWS
- AWS key vocabulary and concept
- AWS certificate syllabus discussion
- Getting started – All that you need
- Assignment-2

Session 3 – Identity Access Management

- Introduction to IAM
- Manage IAM users and their access
- How Pig is different from Programming languages
- Manage IAM roles and their permission
- Manage federated users and their permission
- Assignment-3

Session 4 – AWS compute services

- Introduction to various compute services by AWS

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- Amazon EC2
- Practical on EC2
- Amazon EBS
- Practical on EBS
- Load Balancers and Health check
- Cloud watch EC2
- Auto Scaling
- Lambda
- Summary
- Assignment-4

Session 5 - AWS Storage services

- Introduction to storage services by AWS
- Amazon S3
- Practical on S3
- Life Management and glacier
- Cloud front
- Practical on cloud Front
- Security and storage with S3
- Import/Export – Snowball
- Summary
- Assignment-5

Session 6 – Amazon Networking Services

- Introduction to Networking services
- Amazon Route S3
- Practical on Amazon Route S3
- Amazon Direct Connect
- Practical on Amazon Direct Connect
- Amazon VPC

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- Practical on Amazon VPC
- Summary
- Assignment-6

Session 7 – Amazon Database Services

- Introduction to DB Services
- Basic of Database
- Amazon RDS
- Practical on Amazon RDS
- Dynamo DB
- Practical on Dynamo DB
- Red Shift
- Elasticache
- Aurora,
- Summary,
- Assignment-7,

Session 8 – Amazon Application Services

- Introduction to various application services of AWS
- Amazon SQS
- Amazon SES
- Amazon SWF
- Amazon SNS
- Amazon Elastic Trans coder
- Practical Session
- Summary
- Assignment-8

Session 9 – Amazon Certification Exam

- Introduction to various certification provided by Amazon
- Why certification?

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- Recent trend on AWS certification
- Re:Invent – AWS Annual Conference
- Assignment-9

Session 10: Project Session With Securities Module

- Migrate from Oracle to Amazon Aurora
- Deploy a data ware house
- Migrate Petabyte- Scale data to cloud
- Build a Wordpress site and host on CE2
- Build a Log Analytics Solution
- Build a Drupal Website
- Assignment-10